

PRODUCT DESCRIPTION

A one component, fast drying, high performance, universal alkyd primer pigmented with zinc phosphate.

Suitable for use as a primer with single pack polysiloxanes.

INTENDED USES

As a high performance, fast drying primer for maintenance or new construction projects. Suitable for use on hand prepared substrates. Overcoatable with a wide range of high performance top coats.

The fast drying properties of Interprime 4198 combined with long overcoating intervals make this a versatile primer for factory application prior to full system application on site.

Recommended primer for single pack polysiloxanes. Formulated to provide excellent intercoat adhesion when used as a primer for Interfine 1080.

Conforms to APAS0162 for use as a zinc phosphate-containing metal primer.

PRACTICAL INFORMATION FOR INTERPRIME 4198

Colour	White, Grey, Red Oxide			
Gloss Level	Matt			
Volume Solids	41%			
Typical Thickness	50-75 microns (2-3 mils) dry equivalent to 122-183 microns (4.9-7.3 mils) wet			
Theoretical Coverage	6.80 m ² /litre at 60 microns d.f.t and stated volume solids 274 sq.ft/US gallon at 2.4 mils d.f.t and stated volume solids			
Practical Coverage	Allow appropriate loss factors			
Method of Application	Airless Spray, Roller, Air Spray, Brush			
Drying Time	Overcoating Interval with recommended topcoats			
	Temperature	Touch Dry	Hard Dry	
				<i>Minimum</i> <i>Maximum</i>
	5°C (41°F)	3 hours	8 hours	6 hours Extended
	15°C (59°F)	90 minutes	3 hours	3 hours Extended
	25°C (77°F)	60 minutes	2 hours	2 hours Extended
	40°C (104°F)	30 minutes	1 hour	1 hour Extended

Times stated above are for use with alkyd topcoats. Other overcoating intervals are shown in the Product Characteristics section.

For "Extended", see International Protective Coatings Definitions and Abbreviations.

REGULATORY DATA

Flash Point (Typical)	35°C (95°F)	
Product Weight	1.26 kg/l (10.5 lb/gal)	
VOC	4.22 lb/gal (506 g/lit)	EPA Method 24
	416 g/kg	EU Solvent Emissions Directive (Council Directive 1999/13/EC)

See Product Characteristics section for further details

SURFACE PREPARATION

The performance of this product will depend upon the degree of surface preparation. The surface to be coated should be clean, dry and free from contamination. Prior to paint application, all surfaces should be assessed and treated in accordance with ISO 8504:2000.

Accumulated dirt and soluble salts must be removed. Dry bristle brushing will normally be adequate for accumulated dirt. Soluble salts should be removed by fresh water washing.

Oil or grease should be removed in accordance with SSPC-SP1 solvent cleaning.

Abrasive Blast Cleaning

Abrasive blast clean to Sa2½ (ISO 8501-1:2007) or SSPC-SP6.

Surface defects revealed by the blast cleaning process should be ground, filled, or treated in the appropriate manner.

Interprime 4198 is suitable for application to blast cleaned surfaces which were initially to the above standard but have been allowed to deteriorate under good shop conditions for up to 7-10 days. The surface may deteriorate to Sa2 standard but must be free from loose powdery deposits.

Maintenance and Site Touch-up

The product is designed for application to surfaces prepared to St2 (ISO 8501-1:2007) or SSPC-SP2. When using power tools care should be taken to avoid surface polishing. The product may also be applied to surfaces which have been brush blasted to Sa1 (ISO 8501-1:2007) or SSPC-SP7. On poor surfaces brush application will assist performance.

Interprime 4198 is suitable for overlap onto most aged coating systems. Loose or flaking coatings should be removed back to a firm edge. Glossy epoxies and polyurethanes may require abrasion.

APPLICATION

Mixing	This material is a one component coating and should always be mixed thoroughly with a power agitator before application.		
Mix Ratio	Not applicable		
Airless Spray	Recommended	Tip Range 0.43-0.53 mm (17-21 thou) Total output fluid pressure at spray tip not less than 176 kg/cm ² (2503 p.s.i.)	
Air Spray (Conventional)	Recommended	Gun Air Cap Fluid Tip	DeVilbiss MBC or JGA 704 or 765 E
Brush	Recommended	Typically 40-50 microns (1.6-2.0 mils) can be achieved	
Roller	Recommended	Typically 40-50 microns (1.6-2.0 mils) can be achieved	
Thinner	International GTA007	Do not thin more than allowed by local environmental legislation.	
Cleaner	International GTA007		
Work Stoppages	Thoroughly flush all equipment with International GTA007. All unused material should be stored in tightly closed containers. Partially filled containers may show surface skinning and/or a viscosity increase of the material after storage. Material should be filtered prior to use.		
Clean Up	Clean all equipment immediately after use with International GTA007. It is good working practice to periodically flush out spray equipment during the course of the working day. Frequency of cleaning will depend upon amount sprayed, temperature and elapsed time, including any delays.		
	All surplus materials and empty containers should be disposed of in accordance with appropriate regional regulations/legislation.		

PRODUCT CHARACTERISTICS

Interprime 4198 is designed to be overcoated with single pack polysiloxane coatings. Formulated to give excellent intercoat adhesion when overcoated with Interfine 1080.

Anti-corrosive performance on hand prepared steel is related directly to both the degree of surface preparation and the dry film thickness of the system applied.

In order to ensure good anti-corrosive performance, it is important to achieve a minimum system dry film thickness of 150 microns (6 mils) by application of multi-coats over hand prepared steel. This can be achieved either with multiple coats of Interprime 4198 in conjunction with an approved topcoat.

Overcoating data for selected topcoats.

Minimum overcoating intervals are shorter when overcoating with Interprime 4198 or alkyd finishes (shown on page 1). Minimum overcoating time for epoxy, polyurethane and polysiloxane topcoats are shown below.

Temperature	Touch Dry	Hard Dry	Overcoating Interval with non-alkyd topcoats	
			<i>Minimum</i>	<i>Maximum</i>
5°C (41°F)	3 hours	8 hours	36 hours	30 days
15°C (59°F)	90 minutes	3 hours	24 hours	30 days
25°C (77°F)	60 minutes	2 hours	16 hours	30 days
40°C (104°F)	30 minutes	1 hour	8 hours	30 days

When overcoating with epoxies or polyurethanes it will be necessary to adhere to the specified dry film thickness to ensure that adequate drying times are allowed, and that the Interprime 4198 is not over-applied.

This product is not intended for use in aggressive, corrosive environments, or on heavily pitted or contaminated steel.

Interprime 4198 is not suitable for use as a barrier coat for upgrading old chlorinated rubber and vinyl systems.

When used in a marine environment the schemes and overcoating intervals utilised may differ. Coating systems incorporating Interprime 4198 are not suitable for immersion service.

Note: VOC values are typical and are provided for guidance purpose only. These may be subject to variation depending on factors such as differences in colour and normal manufacturing tolerances.

Low molecular weight reactive additives, which will form part of the film during normal ambient cure conditions, will also affect VOC values determined using EPA Method 24.

SYSTEMS COMPATIBILITY

Interprime 4198 is normally applied to either blasted or hand or power tool cleaned steel. However, it is suitable for application over the following primers and is compatible for touch-up overlap on existing convertible coatings:

Intergard 251 Intergard 269

The following topcoats are recommended for Interprime 4198:

Intercryl 530	Interfine 1080
Interfine 629	Intergard 740
Interlac 649	Interlac 665
Interthane 990	Interthane 987

ADDITIONAL INFORMATION

Further information regarding industry standards, terms and abbreviations used in this data sheet can be found in the following documents available at www.international-pc.com:

- Definitions & Abbreviations
- Surface Preparation
- Paint Application
- Theoretical & Practical Coverage

Individual copies of these information sections are available upon request.

SAFETY PRECAUTIONS

This product is intended for use only by professional applicators in industrial situations in accordance with the advice given on this sheet, the Material Safety Data Sheet and the container(s), and should not be used without reference to the Material Safety Data Sheet (MSDS) which International Protective Coatings has provided to its customers.

All work involving the application and use of this product should be performed in compliance with all relevant national, Health, Safety & Environmental standards and regulations.

In the event welding or flame cutting is performed on metal coated with this product, dust and fumes will be emitted which will require the use of appropriate personal protective equipment and adequate local exhaust ventilation.

If in doubt regarding the suitability of use of this product, consult International Protective Coatings for further advice.

PACK SIZE	Unit Size	
	Vol	Pack
	20 litre	20 litre
	5 litre	5 litre
For availability of other pack sizes, contact International Protective Coatings.		
SHIPPING WEIGHT (TYPICAL)	Unit Size	
	20 litre	28 kg
	5 litre	6.5 kg
STORAGE	Shelf Life	24 months minimum at 25°C (77°F). Subject to re-inspection thereafter. Store in dry, shaded conditions away from sources of heat and ignition.

Important Note

The information in this data sheet is not intended to be exhaustive; any person using the product for any purpose other than that specifically recommended in this data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at their own risk. All advice given or statements made about the product (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing to do so, we do not accept any liability at all for the performance of the product or for (subject to the maximum extent permitted by law) any loss or damage arising out of the use of the product. We hereby disclaim any warranties or representations, express or implied, by operation of law or otherwise, including, without limitation, any implied warranty of merchantability or fitness for a particular purpose. All products supplied and technical advice given are subject to our Conditions of Sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is liable to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to check with their local International Paint representative that this data sheet is current prior to using the product.

This Technical Data Sheet is available on our website at www.international-marine.com or www.international-pc.com, and should be the same as this document. Should there be any discrepancies between this document and the version of the Technical Data Sheet that appears on the website, then the version on the website will take precedence.

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